

For Research Use Only

AIF Recombinant antibody

Catalog Number: 86156-1-RR



Basic Information

Catalog Number: 86156-1-RR	GenBank Accession Number: BC111065	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9131	CloneNo.: 250772G11
Source: Rabbit	UNIPROT ID: O95831	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:500-1:2000
Isotype: IgG	Full Name: apoptosis-inducing factor, mitochondrion-associated, 1	
Immunogen Catalog Number: AG13268	Calculated MW: 609 aa, 66 kDa	
	Observed MW: 67 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, HEK-293T cells, Jurkat cells, K-562 cells, NIH/3T3 cells, C2C12 cells, C6 cells IF/ICC : HeLa cells,

Background Information

Apoptosis-inducing factor (AIF) is one of the mitochondrial proteins to be released into the cytosol during apoptosis, and it is discovered as the first protein that regulates caspase-independent apoptosis (PMID:20494118). AIF is encoded as a 67 kDa protein that contains a mitochondrial localization signal (MLS) in the N-terminus. It is cleaved from the 62 kDa to the 57 kDa form following ischemic injury and translocated from the mitochondria to the nucleus in a calpain-dependent manner (PMID:19332058).

Storage

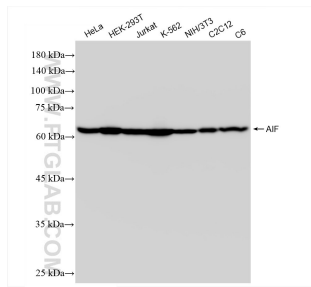
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

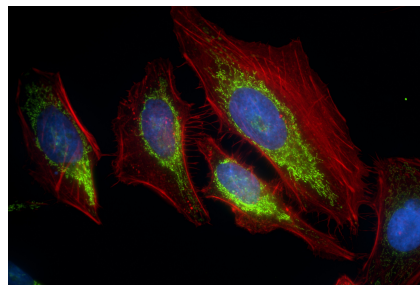
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86156-1-RR (AIF antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using AIF antibody (86156-1-RR, Clone: 250772G11) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).